

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041735 A1

- (51) International Patent Classification⁷: C03B 5/00, (74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).
C03C 13/06, 3/02, 1/00
- (21) International Application Number: PCT/EP2003/012373
- (22) International Filing Date: 6 November 2003 (06.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10252000.3 6 November 2002 (06.11.2002) DE
03253600.5 6 June 2003 (06.06.2003) EP
- (71) Applicant (for all designated States except US): ROCK-
WOOL INTERNATIONAL A/S [DK/DK]; Hovedgaden
584, DK-2640 Hedehusene (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HANSEN, Peter, Farkas, Binderup [DK/DK]; Bastholmen 10, DK-3520 Farum (DK). NYKIEL, Guido [DE/DE]; Bellingrottstrasse 35, 45966 Gladbeck (DE). LEIS-MANN, Andreas [DE/DE]; Ottilie-Schonewald Strasse 11, 44789 Bochum (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESSES OF FORMING MINERAL FIBRES

(57) Abstract: The invention provides a processes of producing man-made vitreous fibres having a phosphorus content of at least 0.5%, measured as weight % P_2O_5 , comprising providing a charge of mineral material which includes briquettes, melting the charge in a furnace to provide a melt and fiberising the melt to form fibres, wherein the briquettes comprise a non-virgin rock material comprising at least 2% phosphorus, the non-virgin rock material being selected from the group consisting of sewage sludge ash, bone meal ash, granulated sewage sludge slag and mixtures thereof.

WO 2004/041735 A1